IP Link® Device Interface
Ethernet Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type:	Audio Processor
Manufacturer:	Yamaha
Firmware Version:	N/A
Model(s):	DME64N, DME24N

Minimum Software and Firmware Requirements:

IP Link Compiler	IP Link Firmware	GC Version
1.5.1	1.15	3.3.1

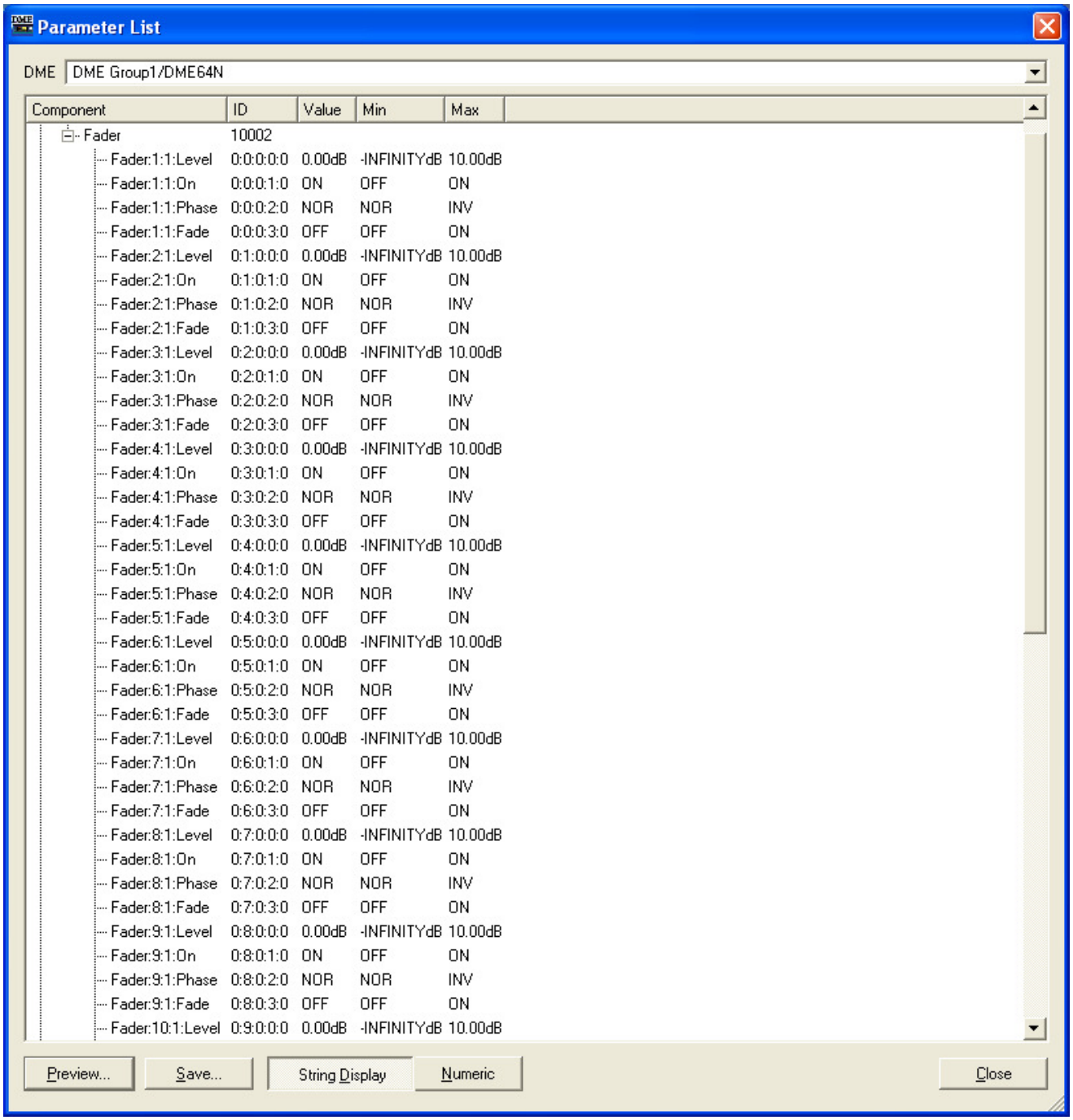
Version History:

Driver Version	Date	Notes
1	2/02/2012	Initial version.

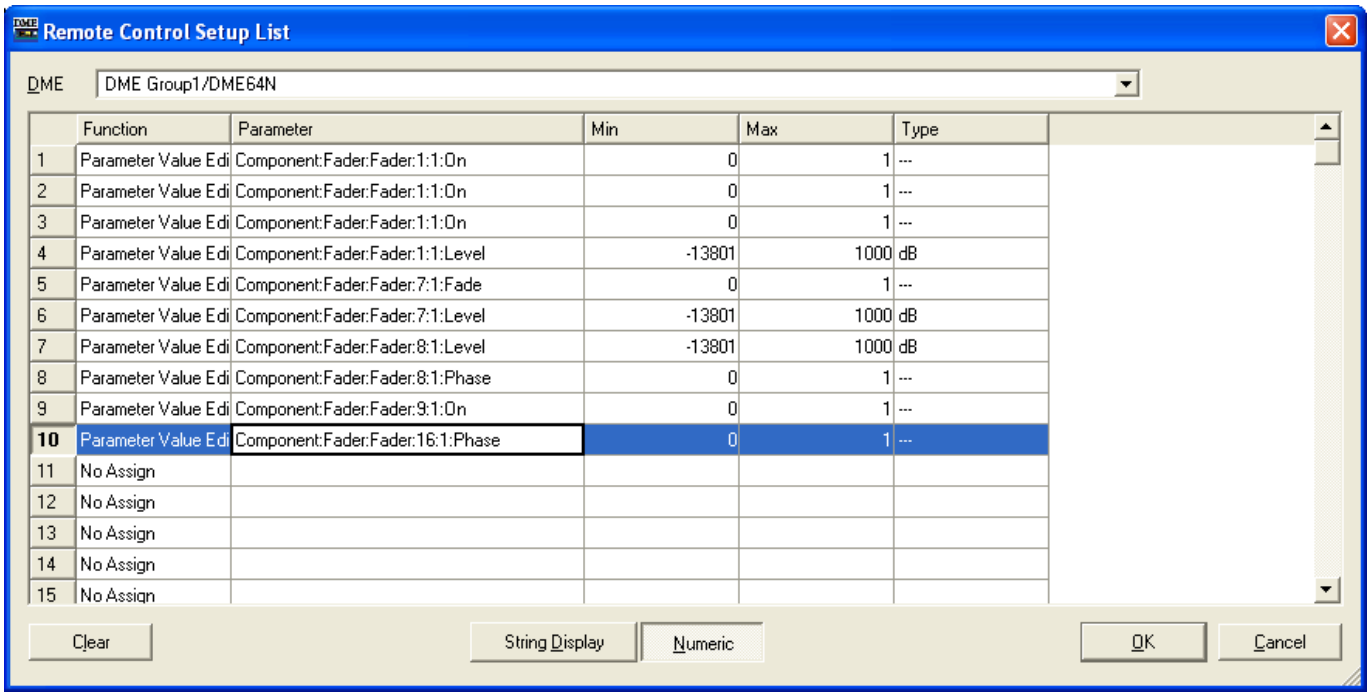
Driver Notes:

- For user configuration flexibility, the driver contains 15 groups of configurable commands. The commands are grouped as Set A – Set O.
- Due to the many variations of commands that can be configured on DME, two generic commands are included in the driver: Level and Parameter. Level command can be configured to any range type command as Volume or Fader. Parameter can be configured to any command that has two states as Mute (On or Off) or Phase (Inverse or Normal). Naming of the commands and their respective states can be modified through Global Configurator during configuration.
- Commands should be configured according to the index assignment in the Remote Control Setup List on the DME configuration software. Only one type of command (Lever or Parameter) from the driver can be selected per index.
- The Relative command is the equivalent to the Level command but in steps. This command can be configured parallel to the Level command. Furthermore, a step size needs to be selected in order for any Relative command to work correctly. Set A Step Size will affect Set A Relative. This applies to all other sets of commands also.

The following is a sample parameter list. If the parameters in sample list where used in the configuration of the driver, commands ON, Phase and Fade can be configure on the Parameter command included on the driver. The Level command will be configured on the Level command included on the driver. Only one command can be configure per set on the driver.



The following image shows the Remote Control Setup List which is used to assign the indexes to the different commands that need to be configured.


Remote Control Setup List
DME
DME Group1/DME64N
Function
Parameter
Min
Max
Type
1 Parameter Value Edi Component:Fader:Fader:1:1:On 0 1 ---
2 Parameter Value Edi Component:Fader:Fader:1:1:On 0 1 ---
3 Parameter Value Edi Component:Fader:Fader:1:1:On 0 1 ---
4 Parameter Value Edi Component:Fader:Fader:1:1:Level -13801 1000 dB
5 Parameter Value Edi Component:Fader:Fader:7:1:Fade 0 1 ---
6 Parameter Value Edi Component:Fader:Fader:7:1:Level -13801 1000 dB
7 Parameter Value Edi Component:Fader:Fader:8:1:Level -13801 1000 dB
8 Parameter Value Edi Component:Fader:Fader:8:1:Phase 0 1 ---
9 Parameter Value Edi Component:Fader:Fader:9:1:On 0 1 ---
10 Parameter Value Edi Component:Fader:Fader:16:1:Phase 0 1 ---
11 No Assign
12 No Assign
13 No Assign
14 No Assign
15 No Assign
Clear
String Display
Numeric
OK
Cancel

Control Commands & States:

Audio Mute	On	Off	
Preset Recall	1-24		
Set A – O Index	1-255		
Set A – O Level	0 to 1023 in steps of 1		
Set A – O Parameter	On	Off	
Set A – O Relative	Up	Down	
Set A – O Step Size	1	2	4
	8	16	32
	64	128	256

Status Available:

Connection Status	Connected	Disconnected
Set A – O Parameter	On	Off
Set A – O Parameter	0 to 1023 in steps of 1	

Network communication:

When configuring the Ethernet driver, be sure device settings match that of the GC configuration.

Port Type:	Ethernet
Logon Credentials Supported:	Undetermined
Default Port:	12300
Multi-Connection Capable:	Undetermined
Port Changeable:	Yes

Ethernet Driver Configuration Description:

Please refer to user manual for settings and changes to the network communication parameters such as: User Name, Passwords and Port Number.

Notes for the Device:

When configuring the Remote Control Setup List, Type needs to be set to Curve Table in order for driver to work correctly.